

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---------------------------------------|---|------------------|---------|------------------|
| L1 | 3 | "6721108".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/25 09:36 |
| L2 | 2 | "6714363".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/25 09:36 |
| S1 | 1 | 10/765860 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/22 16:56 |
| S2 | 1124 | wavelength with branch\$2 with filter | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/22 15:06 |
| S3 | 2 | "5611006".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/22 15:28 |
| S4 | 6 | 11-218651 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/22 15:08 |
| S5 | 3 | 2002-328204 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/22 15:08 |
| S8 | 3938 | 385/14.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/22 16:06 |

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|-----|-----|---|---|----|----|------------------|
| S9 | 475 | S8 and fiber and (((emitt\$3 source) near1 (optic\$2 light)) laser lasing LED\$1 diode) and (photodetect\$3 ((light optic\$2 photo) near1 (detect\$3 receiv\$3 recept\$3))) and ((wavelength near3 select\$3) filter) and substrate | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/25 08:08 |
| S10 | 300 | S8 and fiber and (((emitt\$3 source) near1 (optic\$2 light)) laser lasing LED\$1 diode) and (photodetect\$3 ((light optic\$2 photo) near1 (detect\$3 receiv\$3 recept\$3))) and (wavelength near3 (select\$3 filter\$3 filtration)) and substrate | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/25 08:09 |
| S11 | 50 | S10 and lens and converg\$4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/22 16:22 |
| S12 | 26 | S10 and (GRIN (grad\$3 near1 index)) and converg\$4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/22 16:13 |
| S13 | 48 | S10 and (GRIN (grad\$3 near1 index)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/25 06:59 |
| S14 | 123 | S8 and (fiber with (groove trench slot opening)) and (((emitt\$3 source) near1 (optic\$2 light)) laser lasing LED\$1 diode) and (photodetect\$3 ((light optic\$2 photo) near1 (detect\$3 receiv\$3 recept\$3))) and ((wavelength near3 select\$3) filter) and substrate | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/25 08:38 |
| S15 | 23 | S14 and (lens with (groove trench slot opening)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/25 08:37 |
| S18 | 156 | substrate with (groove slot trench opening) with (wavelength near5 (select\$3 filter\$3 filtration)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/22 17:33 |
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| S19 | 73583 | fiber with (groove slot trench opening) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/22 17:31 |
| S20 | 180200 | ((emitt\$3 source) near1 (optic\$2 light)) laser lasing LED\$1 diode) with wavelength | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/22 17:32 |
| S22 | 65249 | lens with (groove slot trench opening) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/22 17:33 |
| S23 | 20816 | (photodetect\$3 ((light optic\$2 photo) near1 (detect\$3 receiv\$3 recept\$3))) with (groove slot trench opening) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/22 17:36 |
| S24 | 5 | S18 and S19 and S20 and S22 and S23 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/22 17:37 |
| S25 | 1488 | 385/49.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/22 18:11 |
| S26 | 178 | S25 and fiber and (((emitt\$3 source) near1 (optic\$2 light)) laser lasing LED\$1 diode) and (photodetect\$3 ((light optic\$2 photo) near1 (detect\$3 receiv\$3 recept\$3))) and ((wavelength near3 select\$3) filter) and substrate | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/25 08:35 |
| S27 | 116 | S25 and (fiber with (groove trench slot opening)) and (((emitt\$3 source) near1 (optic\$2 light)) laser lasing LED\$1 diode) and (photodetect\$3 ((light optic\$2 photo) near1 (detect\$3 receiv\$3 recept\$3))) and ((wavelength near3 select\$3) filter) and substrate | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/22 18:45 |

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| S28 | 58 | S25 and (fiber with (groove trench slot opening)) and (((emitt\$3 source) near1 (optic\$2 light)) laser lasing LED\$1 diode) and (photodetect\$3 ((light optic\$2 photo) near1 (detect\$3 receiv\$3 recept\$3))) and ((wavelength near3 select\$3) filter) and substrate and (lens GRIN (grad\$3 near1 index)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/22 18:46 |
| S29 | 4 | (GRIN (grad\$3 near1 index)) with (fiber) with identical with diameter | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/25 07:00 |
| S30 | 1869 | (photodetect\$3 ((light optic\$2 photo) near1 (detect\$3 receiv\$3 recept\$3))) and (filter) and substrate and (second adj1 wavelength) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/25 07:53 |
| S31 | 102 | (photodetect\$3 ((light optic\$2 photo) near1 (detect\$3 receiv\$3 recept\$3))) with (filter) with (second adj1 wavelength) and substrate | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/25 07:54 |
| S32 | 1488 | 385/49.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/25 07:54 |
| S33 | 116 | S32 and (fiber with (groove trench slot opening)) and (((emitt\$3 source) near1 (optic\$2 light)) laser lasing LED\$1 diode) and (photodetect\$3 ((light optic\$2 photo) near1 (detect\$3 receiv\$3 recept\$3))) and ((wavelength near3 select\$3) filter) and substrate | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/25 08:35 |
| S34 | 116 | S32 and (fiber with (groove trench slot opening)) and (((emitt\$3 source) near1 (optic\$2 light)) laser lasing LED\$1 diode) and (photodetect\$3 ((light optic\$2 photo) near1 (detect\$3 receiv\$3 recept\$3))) and ((wavelength near3 select\$3) filter) and substrate | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/25 08:07 |

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| S35 | 178 | S32 and fiber and (((emitt\$3 source) near1 (optic\$2 light)) laser lasing LED\$1 diode) and (photodetect\$3 ((light optic\$2 photo) near1 (detect\$3 receiv\$3 recept\$3))) and ((wavelength near3 select\$3) filter) and substrate | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/25 08:07 |
| S36 | 105 | S32 and fiber and (((emitt\$3 source) near1 (optic\$2 light)) laser lasing LED\$1 diode) and (photodetect\$3 ((light optic\$2 photo) near1 (detect\$3 receiv\$3 recept\$3))) and (wavelength near3 (select\$3 filter\$3 filtration)) and substrate | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/25 08:41 |
| S37 | 3760 | (((emitt\$3 source) near1 (optic\$2 light)) laser lasing LED\$1 diode) near1 (detect\$3 receiv\$3 recept\$3) and (wavelength near3 (select\$3 filter\$3 filtration)) and substrate | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/25 08:26 |
| S38 | 37 | S31 and S37 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/25 08:26 |
| S39 | 1310 | 385/18.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/25 08:35 |
| S40 | 110 | S39 and fiber and (((emitt\$3 source) near1 (optic\$2 light)) laser lasing LED\$1 diode) and (photodetect\$3 ((light optic\$2 photo) near1 (detect\$3 receiv\$3 recept\$3))) and ((wavelength near3 select\$3) filter) and substrate | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/25 09:08 |
| S41 | 83 | (lens with (groove trench slot opening)) and S39 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/25 08:50 |
| S42 | 1975 | 385/88.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/25 08:57 |

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| S43 | 31 | (fiber with (groove trench slot opening)) and (((emitt\$3 source) near1 (optic\$2 light)) laser lasing LED\$1 diode) and (photodetect\$3 ((light optic\$2 photo) near1 (detect\$3 receiv\$3 recept\$3))) and ((wavelength near3 select\$3) filter) and substrate and S39 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/25 09:10 |
| S44 | 86 | fiber and (((emitt\$3 source) near1 (optic\$2 light)) laser lasing LED\$1 diode) and (photodetect\$3 ((light optic\$2 photo) near1 (detect\$3 receiv\$3 recept\$3))) and (wavelength near3 (select\$3 filter\$3 filtration)) and substrate and S39 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/25 08:54 |
| S45 | 78 | S44 not S41 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/25 08:50 |
| S46 | 199 | (lens with (groove trench slot opening)) and S42 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/25 09:02 |
| S47 | 110 | (fiber with (groove trench slot opening)) and (((emitt\$3 source) near1 (optic\$2 light)) laser lasing LED\$1 diode) and (photodetect\$3 ((light optic\$2 photo) near1 (detect\$3 receiv\$3 recept\$3))) and ((wavelength near3 select\$3) filter) and substrate and S42 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/25 09:05 |
| S48 | 105 | fiber and (((emitt\$3 source) near1 (optic\$2 light)) laser lasing LED\$1 diode) and (photodetect\$3 ((light optic\$2 photo) near1 (detect\$3 receiv\$3 recept\$3))) and (wavelength near3 (select\$3 filter\$3 filtration)) and substrate and S42 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/25 08:55 |
| S49 | 952 | 385/50.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/25 09:02 |

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| S50 | 50 | (fiber with (groove trench slot opening)) and (((emitt\$3 source) near1 (optic\$2 light)) laser lasing LED\$1 diode) and (photodetect\$3 ((light optic\$2 photo) near1 (detect\$3 receiv\$3 recept\$3))) and ((wavelength near3 select\$3) filter) and substrate and S49 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/25 09:05 |
| S51 | 24 | (lens with (groove trench slot opening)) and S49 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/25 09:05 |
| S52 | 849 | 385/52.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/25 09:02 |
| S53 | 29 | (fiber with (groove trench slot opening)) and (((emitt\$3 source) near1 (optic\$2 light)) laser lasing LED\$1 diode) and (photodetect\$3 ((light optic\$2 photo) near1 (detect\$3 receiv\$3 recept\$3))) and ((wavelength near3 select\$3) filter) and substrate and S52 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/25 09:05 |
| S56 | 96 | (lens with (groove trench slot opening)) and S52 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/25 09:09 |
| S57 | 1915 | 385/92-93.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/25 09:05 |
| S58 | 166 | S57 and fiber and (((emitt\$3 source) near1 (optic\$2 light)) laser lasing LED\$1 diode) and (photodetect\$3 ((light optic\$2 photo) near1 (detect\$3 receiv\$3 recept\$3))) and ((wavelength near3 select\$3) filter) and substrate | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/25 09:09 |
| S59 | 250 | S57 and (lens with (groove trench slot opening)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/25 09:09 |

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| S60 | 43 | S58 and S59 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/25 09:09 |
| S61 | 4 | (substrate and fiber and (groove trench slot opening) and (((emitt\$3 source) near1 (optic\$2 light)) laser lasing LED\$1 diode) and (photodetect\$3 ((light optic\$2 photo) near1 (detect\$3 receiv\$3 recept\$3))) and ((wavelength near3 select\$3) filter with branch\$3) and converg\$3 and (parallel collimat\$4)).clm. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/25 09:12 |